

**Subject: abstract**

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Titile: SIRTf Mosaicker

Abstract

We present a software system for image coaddition/mosaicking that is being developed for the SIRTf mission. SIRTf mosaicker features the use of the drizzle interpolation technique, robust outlier detection based on spatial and temporal filtering, and fast direct plane-to-plane coordinate transformation. It is designed to interface with other tools developed at SSC, such as pointing refinement and overlap consistency, which will improve the quality of the mosaic images.